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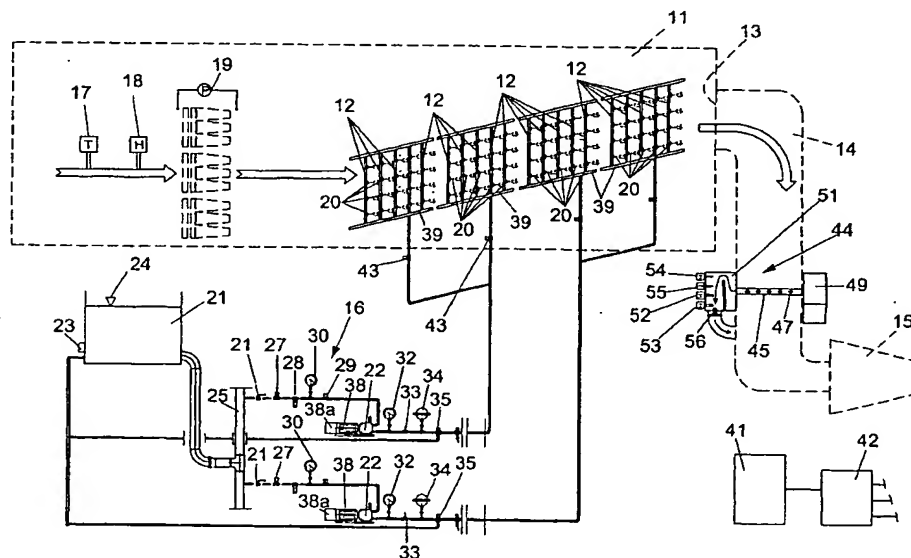
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- (71) Applicant (for all designated States except US):
EDOARDO LOSSA S.P.A. [IT/IT]; Via De Nicola
26, I-20090 Cesano Boscone Milan (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BEVILACQUA**,
Leopoldo [CH/CH]; Brunastrasse 17, CH-8002 Zurich
(CH). **GASPARETTO**, Roberto [IT/IT]; Via Russoli
7, I-20142 Milan (IT). **DI RIENZO**, Aldo [IT/IT]; Via
Duccio da Boninsegna 3/B, I-20094 Assago, Milan (IT).
- (74) Agents: **COPPO**, Alessandro et al.; Ing. Barzano' & Za-
nardo Milano S.p.A., Via Borgonuovo 10, I-20121 Milan
(IT).
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(54) Title: WATER TREATMENT AND PRESSURIZATION SYSTEM FOR THE ADIABATIC COOLING OF COMBURENT AIR



(57) Abstract: A water treatment and pressurization system for the adiabatic cooling of comburent air destined for plants using gas turbines (15), run by measuring, control and regulation units, comprising a lifting and pressurizing station (16) of vaporization water at a varying flow-rate for a maximum operating pressure, preferably up to 120 bar, associated with a series of nozzles (20) situated on nozzle-holder ramps (12) downstream of which there is at least one housing unit (44) for humidity and temperature probes (52-55). The lifting station (16) comprises at least two pumps (22) with relative auxiliaries devices connected to nozzle-holder collectors (39).

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